

GOLODOV, V.A.; MARKOV, V.D.; FASMAN, A.B.; SOKOL'SKIY, D.V.

Effect of the partial pressure of carbon monoxide on the kinetics of the catalytic reduction of some compounds in solutions. Izv.vysushab.sov.; khim.i khim.tekh. 8 no.4:597-601 '65. (MIRA 18:11)

1. Kazakhskiy gosudarstvennyy universitet imen. Nirova, kafedra kataliza i tekhnicheskoy khimii.

FASMAN, A.B.; KUTYUKOV, G.G.; BORCH'SKIY, E.V.

Reactivity of palladium complex compounds $Pd(II)$ in aqueous solutions. Zhur. neorg. khim. 10 no.6:1338-1343 Je '65.

(MIRA 18:6)

1. Kazakhskiy gosudarstvennyy universitet imeni Kirova.

САДАН, А.Б.; БАНКОВ, С.П.; САНЖАЕВ, С.П.

Catalytic reduction of inorganic compounds in a liquid phase by
carbon monoxide. Zhur. prikl. khim. 38 no.4:791-800 Ap '65.
(MIRA 18:61)

1. Kazakhskiy gosudarstvennyy universitet imeni Kirova.

FASMAN, A.B.; GOLDOV, V.A.; SOKOL'SKIY, D.V. (Kazan')

Mechanism of the homogeneous catalytic reduction of 1-benzoylquinone
by carbon monoxide in solutions. Zhur. fiz. khim. 38 no.6:1515-1530
Je '64.

1. Kazakhskiy gosudarstvennyy universitet imeni Eirova.

FASMAN, A.B.; KABIYEV, T.; SOKOL'SKIY, D.V., akademik; YAGULEYEV, T.A.

Promoting the skeletal nickel catalyst by oxygen-containing anions
of transition metals. Dokl. AN SSSR 162 no. 3:600-602 My '65.

(MIRA 18:5)

1. Kazanskiy gosudarstvennyy universitet im. S.M.Kirova. 2. AN
KazSSR (for Sokol'skiy).

KABIYEV, T.; FASMAN, A.B.; ISABEKOV, A.; CHERNOUSOVA, K.T.

Effect of the conditions of growth of a Ni-Al alloy on the
electrochemical activity of hydrogen diffusion electrodes.
Elektrokhimiya 1 no.7:853-871 Jul '65. (MIRA 18:10)

3. Kazakhskiy gosudarstvennyy universitet imeni Kirova.

PUSTYL'NIKOV, L.M.; LUK'YANOV, A.T.; FASMAN, A.B.; IKHSANOV, Zh.;
SOKOL'SKIY, D.V.

Measurement of the gradient of hydrogen concentration in a
solution in the homogeneous catalytic reduction of $\text{Cr}_2\text{O}_7^{2-}$ anion
in the presence of Cu(II). Zhur.fiz.khim. 39 no.10:2530-2535 0
'65. (MIRA 18:12)

1. Kazakhskiy gosudarstvennyy universitet imeni Kirova.
Submitted September 2, 1964.

FASMAN, A.B.; GOLODOV, V.A.

Letter to the editors. *Kin.i kat.* 6 no.5:956 8-0 '65.
(MIRA 18:11)

1. Kazakhskiy gosudarstvennyy universitet imeni Kirova,
khimicheskoy fakul'tet.

ACC NR: AP7004663

(A,N)

SOURCE CODE: UR/0076/66/040/008/1758/1765

AUTHOR: Fasman, A. B.; Molyukova, N. I.; Kabiyeu, T.; Sokol'skiy, D. V.; Chernousova, K. T.

ORG: Kazakh State University im. S. M. Kirov (Kazakhskiy gosudarstvennyy universitet)

TITLE: Modification of skeletal nickel catalyst with transition metal admixtures.
Part 2: Electrolytic oxidation of hydrogen and catalytic hydrogenation on skeletal nickel-chromium alloys

SOURCE: Zhurnal fizicheskoy khimii, v. 40, no. 8, 1966, 1758-1765

TOPIC TAGS: nickel alloy, chromium alloy, hydrogenation, anodic oxidation

ABSTRACT: The paper examines the effect of adding chromium to a skeletal nickel catalyst containing 50 wt. % Al during the electrolytic oxidation of hydrogen on ceramic diffusion electrodes and in a catalytic hydrogenation reaction. Alloying with chromium was found to lower the activity of skeletal nickel catalyst during the electrooxidation of hydrogen in alkaline electrolytes and during hydrogenation of potassium maleate and o-nitrophenol. The hydrogenation rate decreases upon addition of small amounts of Cr, then increases, reaching a maximum on a catalyst containing 5% Cr, and finally decreases monotonically. A study of the phase composition of the Ni-Cr-Al system showed that up to 30 wt. % Cr the system contains the compounds NiAl_3 and Ni_2Al_3 . An increase in the chromium content of the alloy leads to the formation of two new phases equivalent in microhardness to the compounds Cr_4Al_9 and CrAl_4 . An

Card 1/2

UDC: 541.128

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analogy is demonstrated in the kinetics and mechanism of the processes of anodic oxidation, cathodic evolution of hydrogen, and catalytic hydrogenation on nickel-chromium alloys. Orig. art. has: 9 figures and 2 tables.

SUB CODE: 11,07/ SUBM DATE: 28Jan65/ ORIG REF: 024/ OTH REF: 008

Card 2/2

PLATONOV, P., doktor tekhn. nauk; PASHMAN, V., kand. tekhn. nauk;
LEBEDINSKIY, V., kand. tekhn. nauk

Economic effectiveness of the dispatcher automatic control
in elevators. Muk.-elev. prom. 29 no.8:9-13 Ag '63.
(MIRA 17:1)

1. Odesskiy tekhnologicheskii institut im. M.V. Lomonosova.

FASMAN, V. B.

FASMAN, V. B. -- "INVESTIGATION OF EFFECTIVENESS OF THE UTILIZATION OF CONVEYING EQUIPMENT OF ELEVATORS," SUB 15 JAN 52, MOSCOW TECHNOLOGICAL INST OF FOOD INDUSTRY (DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCE)

SO: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

FASMAN, V.B. kandidat tekhnicheskikh nauk.

Effect of the load and height of bucket conveyers on their performance. Muk.-elev.prem.22 no.3:17-18 Mr '56.(MIRA 9:7)

1.Odesskiy tekhnologicheskii institut imeni I.V.Stalina.
(Conveying machinery) (Grain elevators)

PASMAN, V.B.; LEBEDINSKIY, V.G.

Theory of the internal operation of elevators. Izv.vys.ucheb.zav.;
pishch.tekh.no.5:153-159 '60. (MIRA 13:12)
(Grain elevators)

FASMAN, Vol'f Berkovich, dots., kand. tekhn. nauk; AVERINA, T.I.,
red.; SAVEL'YEVA, Z.A., tekhn. red.

[Operational design of a grain elevator] Operativnyi ras-
chet raboty elevatora. Moskva, Zagotizdat, 1963. 84 p.
(MIRA 16:10)

(Grain elevators)

LOKSHIN, E.Yu., doktor ekon. nauk, prof.; ANDREYEVA, O.I., kand.
ekon. nauk; VOROSHILOVA, T.S., kand. ekon. nauk, dots.;
TARAS'YANTS, R.B., kand. ekon. nauk, dots.; FASOLYAK,
N.D., kand. ekon. nauk, dots.; EYDEL'MAN, M.R., kand.
ekon. nauk; YAKOBI, A.A., kand. ekon. nauk, dots.;
TYAGAY, Ye., red.; MUKHIN, Yu., tekhn. red.

[Economics of the supply of materials and equipment] Eko-
nomika material'no-tekhnicheskogo snabzhenia; uchebnoe
posobie. 2., perer. i dop. izd. Moskva, Gospolitizdat,
1953. 510 p. (Industrial procurement) (MIRA 16:7)

FASOLIAR, N.

"Planning Material and Technical Supplies for an Industrial Enterprise",
P. 18., (TEZHKA PROMISHLENOST, Vol. 3, No. 3, 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 6, June 1955, Uncl.

LOKSHIN, E.Yu., prof., doktor ekon.nauk; ANDREYEVA, O.I., kand.ekon.nauk;
VOROSHILOVA, T.S., dotsent, kand.ekon.nauk; TARAS'YANTS, dotsent,
kand.ekon.nauk; PASOLYAK, N.D., dotsent, kand.ekon.nauk; EYDEL'MAN,
M.R., kand.ekon.nauk; YAKOBI, A.A., dotsent, kand.ekon.nauk;
PISKUNOV, V., red.; MUKHIN, Yu., tekhn.red.

[Economics of the supply of materials and equipment; a textbook]
Ekonomika material'no-tekhnicheskogo snabzheniia; uchebnoe posobie.
Moskva, Gos.izd-vo polit.lit-ry, 1960. 510 p.

(MIRA 13:11)

(Industrial procurement)

FASOLYAK, Nikolay Dmitriyevich; KUZNETSOV, P.V., red.; PONOMAREVA, A.A.,
tekhn.red.

[Working capital and the problem of supplying industrial enterprises with material and equipment] Oborotnye fondy i material'no-tekhnicheskoe snabzhenie promyshlennykh predpriatii. Moskva, Gosplanizdat, 1961. 80 p.

(MIRA 14:6)

(Industrial procurement)
(Industrial management)

FASOLIYAK, Nikolay Dmitriyevich; KUZNETSOV, P.V., red.; PONOMAREVA, A.A.,
tekhn.red.

[Supply of materials and equipment in an economic administrative
region] Material'no-tekhnicheskoe snabzhenie v ekonomicheskoy
administrativnoy raione. Moskva, Gos.izd-vo planovo-ekon.lit-ry,
1961. 174 p. (MIRA 14:6)

(Industrial procurement)

LOKSHIN, E.Yu., doktor ekon. nauk; ANDREYEVA, O.I., kand. ekon. nauk, dots.; VOROSHILOVA, T.S., kand. ekon. nauk, dots.; SADOMTSEV, V.K., kand. ekon. nauk, dots.; SMIRNOV, P.V., kand. ekon. nauk, dots.; TARAS'YANTS, R.B., kand. ekon. nauk, dots.; FASOLYAK, N.D., kand. ekon. nauk, dots.; LOZOV, Ya.D., st. prepod.; SHMELEVA, Z.S., st. prepod.; NOVIKOV, D.T., aspirant; PORA-LEONOVICH, B.N.; ALEKSANDROVSKIY, V.V.; BURSHTeyN, I.I.; EYDEL'MAN, B.I., red.; MOZGALEVSKAYA, S.A., mlad. red.; GERASIMOVA, Ye.S., tekhn. red.

[Manual for the supplying and selling of materials and equipment] Spravochnik po material'no-tekhnicheskomu snabzheniiu i sbytu. Moskva, Ekonomizdat, 1963. 344 p.
(MIRA 17:1)

1. Nachal'nik ekonomicheskogo otdela Upravleniya material'no-tekhnicheskogo snabzheniya Soveta narodnogo khozyaystva Moskovskogo gorodskogo ekonomicheskogo rayona (for Pora-Leonovich).
2. Nachal'nik otdela snabzheniya l-go Gosudarstvennogo podshipnikovogo zavoda (for Aleksandrovskiy).

LYUBOVICH, Yuriy Osipovich; LOKSHIN, E.Yu., doktor ekon. nauk,
retsenzent; LETENKO, V.A., kand. ekon. nauk, retsenzent;
TURETSKIY, I.L., retsenzent; FASOLYAK, N.D., kand. ekon.
nauk, retsenzent; YAKOBI, A.A., kand. ekon.nauk, retsenzent;
LEPNIKOVA, Ye., red.

[Working capital and its use in U.S.S.R. industry] Oborotnye
fondy i ikh ispol'zovanie v promyshlennosti SSSR. Moskva,
Izd-vo "Mysl'," 1964. 302 p. (MIRA 17:4)

FASON, E.; KONSTANTINESKU, G.[Constantinescu, G.]; Prinimali uchastiye:
BLYUMENTAL', M.; FELLNER, M.; ILIYESKU, R.[Iliescu, R.];
GEORGIU, I.[Gheorghiu, I.]

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blood circulation. Nauch. trudy Inst. nevr. AMN SSSR no.1:294-
297 '60. (MIRA 15:7)

1. Klinika nervnykh bolezney Mediko-farmatsevticheskogo insti-
tuta i kolektiv dermatologov Instituta terapii Akademii
Rumynskoy Narodnoy Respubliki, Bukharest.

(CEREBROVASCULAR DISEASE)
(SKIN--INNERVATION)

FASON, E. (Bukharest); SHVARTS, B. (Bukharest); SHNEYDER, V. (Bukharest)

Blood penetration into the cerebral ventricles. Zhur. nevr.
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"Analysis and Procedure of Normalizing Production Reserves of Materials in Construction Organizations." Cand Tech Sci, Central Sci-Res Inst of Industrial Construction, TeNIPS, Moscow, 1954. (KL, No 3, Jan 55)

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FASS, Saveliy Abramovich, kand.tekhn.nauk; OSADA, P.A., red.; PONOMAREVA,
A.A., tekhn.red.

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(Construction industry--Equipment and supplies)

MINTS, M.S.; APTERMAN, I.Z.; PASS, S.A.; FEDOROV, N.N.; LAZAREVICH, S.K.,
retsenzent; ARBUZOV, N.T., retsenzent; SAVEL'YEV, P.P., retsenzent;
ZAREMBA, B.V., inzh., nauchnyy red.; MORSKOY, K.L., red.izd-va;
RUDAKOVA, N.I., tekhn.red.

[Rating designs of large-panel apartment houses from the technical
and economic point of view] Tekhniko-ekonomicheskaya otsenka
konstruktivnykh reshenii krupnopanel'nykh zhilykh zdaniy. Moskva,
Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam, 1961.
117 p. (MIRA 14:6)

(Apartment houses)
(Precast concrete construction)

KOTASEK, A., prof.; FASSATI, K., DrSc.; SUK, K.; BRESTAK, M.

Diagnosis of liver diseases during the course of late gestoses with the aid of the bromsulphthalein test. Cesk. gynek. 27 no.1/2:70-74 Mr '62.

1. I por. klin. KU v Praze, prednosta prof. MUDr. K. Klaus, DrSc.
III int klin. KU v Praze, prednosta akademik J. Charvat.

(LIVER DISEASES in pregn)
(PREGNANCY TOXEMIAS compl)
(LIVER FUNCTION TESTS in pregn)

FASSATI, I.

"Species Of The Genus Amara Bon., Subgenus Zezea Cs, With A Triply Segmented
Obtuse Tooth Of The Tibial Spur." p. 1. (Sbornik. Acta Entomologica.
Vol. 26, No. 361, 1948-50, Praha.)

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SO: Monthly List of East European Accessions, /Library of Congress, March 1951, U.S..

FRANKE, J.

"Geographic variability, biology, and origin of the species Corabus
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SECRNIK FAUNISTICKYCH PRACI. ACTA FAUNISTICA ENTOMOLOGICA, Vol. 1, 1956
Praha, Czechoslovakia

Monthly list of EAST EUROPEAN ACCESSION INDEX (EEAI), Library of Congress,
Vol. 8, No. 7, July, 1959

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FASSATI, M.

"A survey of the species Amara Tricuspidata DEJ. and Amara pseudostrenua
KULT; Coleoptera, Carabidae. In German."

p. 35 (Sbornik Faunistických Prací. Acta Faunistica Entomologica, No. 2, 1957,
Praha Czechoslovakia.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No.6 June 1958.

FASSATI, Milos; POLACEK, Vladimir B.

Interesting discovery of the *Rosalia alpina alpina* (L.) (Coleoptera, Cerambycidae) in Central Bohemia. *Cas entom* 61 no.3:295-297 '64.

1. Czechoslovak Entomological Society affiliated with the Czechoslovak Academy of Sciences.

The Brdicka reaction following adrenocortical hormone (ACTH) and cortisone. Josef Chazal and Albert Paschi (III). Internat. klin. Wochenschr. 124: 61, 512-14 (1951).--Brdicka's filtrate reaction was performed 3 days preceding and 3 days following the intramuscular injection of 100 mg. ACTH or 300 mg. cortisone. No consistent trends were noted. In some malignancies, but not in other patients, a definite decrease of the reaction occurred.

Ivo M. Hain

CZECH

✓ A proposed load test for the evaluation of the working capacity of patients with hepatic disease. Miloš Faskati, Zdeňka Marčlová, Pavel Fossati, and Milada Hlaváčková (III. interní klin., Prague). *Casopis Lékařů Českých* 93, 713-21(1954).—Watson's (C.A. 39, 2086¹) modification of the Ehrlich aldehyde reaction was used for the estn. of urinary urobilinogen (I). On the first day of the test, I excretion was detd. before and after food intake. On the next day phys. exercise (14 km., 3.5 hr. walk) was applied. The reproducibility of the daily excretion curves was satisfactory in the absence of jaundice. In normal persons the I level falls or remains practically unchanged under the influence of the walk; in hepatic impairment there is a rise. Some chem. observations on the nonspecificity of the Ehrlich reaction are also reported. Ivo M. Hala.

③

Fassati, Milos

CZECH

✓ Clinical significance of the urobilinogen excretion test. Zdravka Marcelová, Milos Fassati, Felix Mros, and Pavel Fassati (III., interní klin., Prague). *Časopis Lékárů* Čechy 93, 785-95 (1964).—The urobilinogen (U) excretion test (cf. preceding abstr.) was applied to 110 patients with hepatic or biliary tract disease. Patients with cholecystopathies did not differ appreciably from healthy persons. In hepatic or subhepatic lesions the excretion of U was increased at rest, and increased more after exertion. The test yields information on the state of compensation. In the posthepatitis fatigue syndrome the curves are considerably raised after work. In hepatic lesions of a cirrhotic character the elimination of U after meals showed a delayed max. I. M. H.

MD
3

CZECH

Metabolism of lipide substances. I. Mutual relationships between cholesterol, lipide phosphorus, and general lipemia in various diseases. Z. Maršová, J. Kobylik, M. Passati, and B. Bojnická (Charles Univ., Prague). *Pravda* 1, 202-10 (1955).—Results of investigations with 400 tabulated values are presented and discussed. A significant rise in the ratio cholesterol:lipide P (C/P) was found in myocardial infarction, hypertension, and some pneumopathies. A striking lowering of C/P was observed in serious endocrinopathies, carcinoma of the lung, posthepatic syndromes, cholangitis, and infectious polyarthritis.

L. J. Urbánek

MARTSOVA, Zdebjá; FASSATI, Milos; KOBYLIK, Jaroslav; HLAVACKOVA, Milada

Changes in bilirubin level and blood coagulation after vitamin K
administration in jaundice. Cesk. gastroenter. 9 no.2:98-105 June 55.

1. Z III. interni kliniky lekarske fakulty Karlovy university prednosta
akademik Josef Charvat.

(VITAMIN K, effects

on bilirubin level & blood coagulation in jaundice)

(JAUNDICE, blood in

coagulation & bilirubin level, eff. of vitamin K)

(BILIRUBIN, in blood

in jaundice, eff. of vitamin K)

(BLOOD COAGULATION, in various diseases

jaundice, eff. of vitamin K)

A simple method for the estimation of inulin in the blood and the urine. Miloš Fassati, Otto Kuchel, and Vladimír Pucovský (III. Intern. Klin., Prague). *Časopis Lékařů Českých* 94, 1138-41(1955).—The method of Higashi and Peters (C.I. 44, 6471c) has been modified. One ml. plasma or 1 ml. dild. urine is used. It is not necessary to cool with ice when adding the acidic FeCl_3 soln. to the inulin-resorcinol mixt., but stirring during the addn. and subsequent heating is necessary. It is preferable to use 77-77.5° for the heating of the mixt., as the color yield is less temp. dependent at the lower temp. It is advisable to run a standard with every series of samples. Correction is made according to the reagent and plasma or urine blank. The limit of this method were 10-60 ± 2.4 mg.%. Harrison's method (C.I. 36, 2578^a) yielded practically identical results in clearance studies. It can be used for dogs, cats, and man.

—L.M. Hais

FASSATI, Milos; SOYKA, Oto; MARESOVA, Zdenka; FASSATI, Pavel

Detection of conditions following hepatitis. Cas. lek. cesk.
95 no.6:155-156 10 Feb 56.

1. Z III. interni kliniky lekárske fakulty Karlovy university,
prednosta akademik J. Charvat a z int. oddel. KUNZ Gottwaldov,
prednosta Dr. Soyka.

(HEPATITIS,
seq. (Cs))

FASSATI, M.

EXCERPTA MEDICA Sec.2 Vol.9/8 Physiology, etc. Aug56

3363. FASSATI M., KÚCHEL O. and PACOVSKÝ V. *O jednoduché metodě na stanovení inulinu v krvi a v moči. A simple method for the determination of inulin in blood and urine ČAS. LÉK. ČES. 1955, 94/42 (1139-1141) Tables 3

The method described by A. Higashi and L. Peters (J. lab. Clin. Med. 1830, 35, 475) is presented. The only modification is that the orange-red colour given by fructose, ferric iron and HCl is developed at 77.0-77.5 C. instead of at 79.0-79.5° C. as recommended in the original method. Heyrovský - Prague

EXCERPTA MEDICA Sec.6 Vol.10/12 Internal Medicine D'56

7214. FASSATI M., SOYKA O., MAREŠOVÁ Z. and FASSATI P. III. Intern. Klin.,
Lék. Fak., Karlovy Univ.; Intern. Odd., KÚNZ Gottwaldov. *Příspěvek k
poznání posthepatitických stavů. A contribution to the evaluation
of post-hepatitic conditions ČAS. LÉK. ČES. 1958, 95/6 (155-156)
The elevation of the urobilinogen level of the urine following physical work (charac-
teristic of the post-hepatitic fatigue syndrome) is chiefly due to the elevation of
stercobilinogen and not of mesobilirubinogen. Consequently this elevation in the
post-hepatitic syndromes might be considered to be in accordance with Baumgär-
tel's theory as a haemolytic state. This is confirmed by the fact that in some
cases the physical work is followed by a marked increase of the blood bilirubin
level even in cases where at rest the bilirubin level had been only slightly in-
creased (1.4 - 3.0 mg./100 ml., by Jendrassik-Grof's method or within normal
limits. In 15 healthy controls no bilirubin increase was found after physical work.

CZECHOSLOVAKIA / General Problems of Pathology. Patho- U
physiology of Infection.

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41937.

Author : Maresova, Z., Kubelka, V. Fassati, *Milos*
Inst : Not given.
Title : The Effect of Bilirubin on the Resistance of the
Organism in Experimental Bacterial Infection
(Preliminary Report).

Orig Pub: Casop. Lekarn ceskych 1957, 96, No 33-34,
1097-1099.

Abstract: Bilirubin had a moderate bacteriostatic action
in vitro on B Coli, pneumococci and pyogenic
staphylococci. Preliminary injection of bili-
rubin in mice moderated the course of the in-
fection. -- (Authors' summary).

Card 1/1 *III Internal Clinic KU, Prague.*

FASSATIA, P.; FASSATI, M.

On a new more sensitive and simple modification of the mesobiliviolin reaction in the urine. Cesk. gastroent. vyz. 15 no.8:584-589 D '62.

1. III. interni klinika fakulty vseobecneho lekarstvi KU, prednosta akademik Josef Charvat Ustredni biochemicke laboratore, OUNZ Praha 9, vedouci Pavel Fassati, prom. lek.

(PORPHYRINS chemistry) (BILE PIGMENTS chemistry)

FASSATI, P.; SCHWARZKOPF, F.; FASSATI, M.

Determination of the volume of circulating blood with the aid of
bromsulphalein. Rozhl. chir. 41 no.10:654-661 0 '62.

1. Chirurgické oddelení OUNZ Praha 9, přednosta MUDr. J. Chalupník,
III. interní kliniky fakulty všeobecného lékařství University Karlovy
v Praze, přednosta akademik J. Charvat.
(BROMSULPHALEIN) (BLOOD VOLUME DETERMINATION)

FASSATI, Milos; KUBELKA, Vladimir; JIRANEK, Jaromir; FASSATI, Pavel

On the diagnostic importance of the skin test with Motol antigen.

I. On the possibility of detection of the virus of infectious hepatitis with this test. Cas. lek. cesk. 101 no.31:951-955 27 J1 '62.

1. III interni klinika fakulty vseobecneho lekarstvi KU v Praze, prednosta akademik J. Charvat Epidemiologicke oddeleni fakulty detskeho lekarstvi KU v Praze, prednosta prof. dr. V. Kubelka.

(HEPATITIS INFECTIOUS virol)

FASSATI, M.

Chronic hepatopathies in the light of new immunological reactions with Motol virus. Postepy mikrobiol 2 no.2:163-165 '63.

1. Institute of Epidemiology, Microbiology and Hygiene, University, Prague.

FASSATI, M.

3

CZECHOSLOVAKIA

HOREJSE, J; CHUDOMEL, V; JEZKOVA, Z; FASSATI, M.

1. Institute of Hematology and Blood Transfusion
(Ustav hematologie a krevni transfuse), Prague;
2. Third Internal Medicine Clinic (III. vnitřní
klinika), Prague - (for all)

Prague, Vnitřní lékařství, No 4, 1963, pp 313-319

"Antibodies Against Liver - Their Clinical Significance
in Hepatic Disease."

FASSATI, P.; MARESOVA, Z.; FASSATI, M.

On determination of bilirubin in the urine with the icotest.
Cesk. gastroent. vyz. 17 no.8:477-480 D'63

1. Ustredni biochemicke laboratore Obvodního ustavu narodního zdraví v Praze 9 (vedoucí P. Fassati, prom. lékař); Interní oddelení Obvodního ustavu narodního zdraví v Praze 2, Na slupi, (vedoucí MUDr. Z. Maresova) a III. interní klinika fakulty vseobecného lékařství Karlovy University v Praze, (prednosta akademik J. Charvat).

KOTASEK, A.; FASSATI, M.; BRESTAK, M.; LINK, J.

Critical evaluation of several biochemical tests in the pathology of late pregnancy. Cesk. gynek. 30 no.1:90-94 Mr'65.

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OTASIN, A.; PISANI, M.; SODI, J.; GREGORI, A.; BERTINI, J.

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I. I. gyn.-par. klinika (prednosta: prof. dr. K. Hlav, DSc.);
a III. interní klinika (prednosta: prof. dr. J. Chrást) fakulty
všeobecného lékařství Karlovy University v Praze.

FASSATI, M.; FASSATI, P.MUDr.; SRAJBR, E.

The diagnostic value of the Motol antigen skin test. II. Chronic hepatopathies without noticeable epidemic hepatitis in the anamnesis. Cas. lek. cesk. 104 no.13:348-351 2 Ap '65.

1. III. interni klinika fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta: akademik J. Charvat); Ustredni biochemicka laborator Obvodniho ustavu narodniho zdravi v Praze 9 (veduci: MUDr. P. Fassati) a Katedra epidemiologie fakulty vseobecneho lekarstvi Karlovy University v Praze (vedouci: prof. dr. V. Kubelka).

FASSATI, P., (Praha 9, Sokolovska 304); FASSATI, M.

The origin and elimination of mesobilirubinogen and stercobilinogen based on the examination of normal human bile. Cas. lek. Cesk. 104 no.41:1125-1129 15 0 '65.

1. Ustredni biochemicka laborator Obvodniho ustavu narodniho zdravi v Praze 9 (vedouci MUDr. P. Fassati), III. interni klinika fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta akademik J. Charvat) a Katedra epidemiologie fakulty vseobecneho lekarstvi Karlovy University v Praze (vedouci prof. dr. V. Kubelka).
Submitted April 1965.

FASSATI, P., (Praha 9, Sokolovska 304); FASSATI, M.

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1. Ustredni biochemicka laborator Obvodniho ustavu narodniho zdravi v Praze 9 (vedouci MUDr. P. Fassati), III. interni klinika fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta akademik J. Charvat) a Katedra epidsmiologie fakulty vseobecneho lekarstvi Karlovy University v Praze (vedouci prof. dr. V. Kubelka).
Submitted April 1965.

CZECHOSLOVAKIA

UDC 616.633-787-074

FASSATI, M.; FASSATI, P.; ANDEL, J.; Chair of Epidemiology, Faculty of General Medicine, Charles University (Katedra Epidemiologie Fak. Vseob. Lek. KU), Prague, Head (Vedouci) Prof Dr V. KUBELKA; 3rd Internal Clinic, Fac. Gen. Med. Charles University (III. Interni Klinika Fak. Vseob. Lek. KU), Prague, Head (Prednosta) Member of Academy J. CHARVAT; Central Biochemical Laboratory, Okresni Institute of National Health (Ustredni Biochemicka Laborator OUNZ), Prague 9, Head (Primar) Dr P. FASSATI; Chair of Mathematical Statistics, Mathematical and Physical Faculty, Charles University (Katedra Matematice Statistiky Matematicko-Fyzikalni Fakulty KU), Prague, Head (Vedouci) Docent J. HAJEK.

"Renal Excretion of Urobilinogen."

Prague, Casopis Lekarů Ceskych, Vol 105, No 24-25, 17 Jun 66, pp 640 - 645

Abstract [Authors' English summary modified]: The excretion was studied in a short term experiment under varying degrees of diuresis. In patients with cirrhosis or hemolytic states urobilinogen was excreted in the same way as creatinine. In febrile patients no correlation of the two was found. 12 Figures, 9 Western, 9 1/1 Eastern, 1 Japanese reference. (Ms. rec. Aug 65).

CZECHOSLOVAKIA UDC 616.36-036.12:616.633(:577.17.631)-074

SONKA, J.; GREGOROVA, I.; FASSATI, P.; FASSATI, M.; Laboratory for Endocrinology and Metabolism, Faculty of General Medicine, Charles University (Laborator pro Endokrinologii a Metabolismus Fak. Vseob. Lek. KU), Prague, Head (Vedouci) Member of Academy J. CHARVAT; Central Biochemical Laboratory Okresni Institute of National Health (Ustredni Biochemicka Laborator OUNZ), Prague 9, Head (Vedouci) Dr P. FASSATI; Chair of Epidemiology, Faculty of General Medicine, Charles University (Katedra Epidemiologie, Fak. Vseob. Lek. KU), Prague, Head (Vedouci) Prof Dr V. KUBELKA.

"Dehydroepiandrosterone in Chronic Hepatopathies."

Prague, Casopis Lekarů Ceskych, Vol 105, No 32, 15 Aug 66, pp 855 - 856

Abstract [Authors' English summary modified]: Investigation of the excretion of 17-KS fractions in 42 hepatic patients revealed a markedly selective reduced excretion of DHA. Relationship between the excretion of DHA in chronic liver disorders and the inhibitory effect of DHA on glucose-6-phosphate dehydrogenase is evaluated. 2 Tables, 9 Western, 2 Czech references. (Manuscript received Sep 65.).

Fassati Pavel.

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✓ A proposed load test for the evaluation of the working capacity of patients with hepatic disease. Miloš Fassati, Zdenka Marešová, Pavel Fassati, and Milada Hlaváčková (III. interní klin., Prague). *Časopis Lékařů Českých* 93, 713-21(1954).—Watson's (C.A. 39, 2086) modification of the Ehrlich aldehyde reaction was used for the estn. of urinary urobilinogen (1). On the first day of the test, 1 excretion was detd. before and after food intake. On the next day phys. exercise (14 km., 3.5 hr. walk) was applied. The reproducibility of the daily excretion curves was satisfactory in the absence of jaundice. In normal persons the 1 level falls or remains practically unchanged under the influence of the walk; in hepatic impairment there is a rise. Some chem. observations on the nonspecificity of the Ehrlich reaction are also reported. Ivo M. Hájek

③

FASSATI, PAVEL

CZECH

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MD
3

FASSATI, Pavel

A contribution to the recognition of posthepatic states.
Miloš Fassati, Oto Šajka, Zdeněk Mareševský, and Pavel
Fassati (III. Interní klin., Praha). *Časopis Lékárů Čes-
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level in urine, observed in patients with chronic hepatitis
(characterized as posthepatic fatigue syndrome) following
physical work, is chiefly due to the elevation of stereoisomer
gen and not to the elevation of mesobilirubinogen. Z...

- Z. III. interní kliniky Lékařské fakulty Karlovy
university pražské Akademie J. Chrást a z int.
oddělení Kung Matthwaldow, pražská Dr. Šajka
(Hepatitis, sq. (cz))

MARESOVA, Z.; MACH, O.; FRIEDBERGER, V.; FASSATI, P.

Dissolution of gallstones with bromoform. Cas. lek. česk.
96 no.6:179-182 8 Feb 57.

1. III. Interni Klinika KU, prednosta akademik J. Charvat a II.
Chirurgicka Klinika KU, prednosta: akademik J. Divis, Z. M.,
Praha 2, Plavecka 3.

(CHOLELITHIASIS, ther.

bromoform, statist. (Cs))

(BROMIDES, ther. use

bromoform in cholelithiasis, statist. (Cs))

FASSATI, P.; FASSATI, M.

On a new more sensitive and simple modification of the mesobiliviolin reaction in the urine. Cesk. gastroent. vyz. 15 no.8:584-589 D '62.

1. III. interni klinika fakulty vseobecneho lekarstvi KU, prednosta akademik Josef Charvat Ustredni biochemicke laboratore, OUNZ Praha 9, vedouci Pavel Fassati, prom. lek.

(PORPHYRINS chemistry)

(BILE PIGMENTS chemistry)

FASSATI, P.; SCHWARZKOPF, F.; FASSATI, M.

Determination of the volume of circulating blood with the aid of
bromsulphalein. Rozhl. chir. 41 no.10:654-661 0 '62.

1. Chirurgické oddelení OUNZ Praha 9, přednosta MUDr. J. Chalupník,
III. interní klinika fakulty všeobecného lékařství University Karlovy
v Praze, přednosta akademik J. Charvat.
(BROMSULPHALEIN) (BLOOD VOLUME DETERMINATION)

FASSATI, Milos; KUBELKA, Vladimir; JIRANEK, Jaromir; FASSATI, Pavel

On the diagnostic importance of the skin test with Motol antigen.

I. On the possibility of detection of the virus of infectious hepatitis with this test. Cas. lek. cesk. 101 no.31:951-955 27 J1 '62.

1. III interni klinika fakulty vseobecneho lekarstvi KU v Praze, prednosta akademik J. Charvat Epidemiologicke oddeleni fakulty detskeho lekarstvi KU v Praze, prednosta prof. dr. V. Kubelka.

(HEPATITIS INFECTIOUS virol)

FASSATI, P.; MARESOVA, Z.; FASSATI, M.

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Cesk. gastroent. vyz. 17 no.8:477-480 D'63

1. Ustredni biochemicke laboratore Obvodniho ustavu narodniho zdravi v Praze 9 (vedouci P. Fassati, prom. lekar); Interni oddeleni Obvodniho ustavu narodniho zdravi v Praze 2, Na slupi, (vedouci MUDr. Z. Maresova) a III. interni klinika fakulty vseobecneho lekarstvi Karlovy University v Praze, (prednosta akademik J. Charvat).

FASSATI, M.; FASSATI, P.MUDr.; SRAJBR, E.

The diagnostic value of the Motol antigen skin test. II. Chronic hepatopathies without noticeable epidemic hepatitis in the anamnesis. Cas. lek. cesk. 104 no.13:348-351 2 Ap '65.

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CZECHOSLOVAKIA

UDC 616.633-787-074

FASSATI, M.; FASSATI, P.; ANDEL, J.; Chair of Epidemiology, Faculty of General Medicine, Charles University (Katedra Epidemiologie Fak. Vseob. Lek. KU), Prague, Head (Vedouci) Prof Dr V. KUBELKA; 3rd Internal Clinic, Fac. Gen. Med. Charles University (III. Interni Klinika Fak. Vseob. Lek. KU), Prague, Head (Prednosta) Member of Academy J. CHARVAT; Central Biochemical Laboratory, Okresni Institute of National Health (Ustredni Biochemicka Laborator OUNZ), Prague 9, Head (Primar) Dr P. FASSATI; Chair of Mathematical Statistics, Mathematical and Physical Faculty, Charles University (Katedra Matematicky Statisticky Matematicko-Fyzikalni Fakulty KU), Prague, Head (Vedouci) Docent J. HAJEK.

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Abstract /Authors' English summary modified/: The excretion was studied in a short term experiment under varying degrees of diuresis. In patients with cirrhosis or hemolytic states urobilinogen was excreted in the same way as creatinine. In febrile patients no correlation of the two was found. 12 Figures, 9 Western, 9 1/1 Eastern, 1 Japanese reference. (Ms. rec. Aug 65).

ENDOCRINOLOGY

CZECHOSLOVAKIA UDC 616.36-036.12:616.633(:577.17.631)-074

SONKA, J.; GREGOROVA, I.; FASSATI, P.; FASSATI, M.; Laboratory for Endocrinology and Metabolism, Faculty of General Medicine, Charles University (Laborator pro Endokrinologii a Metabolismus Fak. Vseob. Lek. KU), Prague, Head (Vedouci) Member of Academy J. CHARVAT; Central Biochemical Laboratory Okresni Institute of National Health (Ustredni Biochemicka Laborator OUNZ), Prague 9, Head (Vedouci) Dr P. FASSATI; Chair of Epidemiology, Faculty of General Medicine, Charles University (Katedra Epidemiologie, Fak. Vseob. Lek. KU), Prague, Head (Vedouci) Prof Dr V. KUBELKA.

"Dehydroepiandrosterone in Chronic Hepatopathies."

Prague, Casopis Lekaru Ceskych, Vol 105, No 32, 15 Aug 66, pp 855 - 856

Abstract [Authors' English summary modified]: Investigation of the excretion of 17-KS fractions in 42 hepatic patients revealed a markedly selective reduced excretion of DHA. Relationship between the excretion of DHA in chronic liver disorders and the inhibitory effect of DHA on glucose-6-phosphate dehydrogenase is evaluated. 2 Tables, 9 Western, 2 Czech references. (Manuscript received Sep 65.).

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KOTASEK, A., prof., DrSc.; FASSATTI, M.; BRESTAK, M.; SUK, K.

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1. I. gyn.-por. klin. fak. vseob. lek. KU v Praze, prednosta prof. dr.
K. Klaus, DrSc. III. int. klin. fak. vseob. lek. KU v Praze, prednosta
akademik J. Charvat.

(PREGNANCY TOXEMIAS) (LIVER FUNCTION TESTS)
(SULFOBROMOPHTHALEIN)

PACCHIAVA, C.

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CZECHOSLOVAKIA / General and Specialized Zoology. Insects. Biology P
and Ecology.

Abs Jour : Ref Zhur - Biol., No 18, 1958, No. 82922

Author : Fassatiya, O.

Inst : Not given

Title : The Fungus *Spicaria farinosa* on the Scale Bug *Eulocanium*
corni

Orig Pub : Coska mykol., 1956, 10, No 4, 242-245

Abstract : No abstract given

Card 1/1

CERMAK, L.; PUCHMAYER, V.; MARCAN, K.; MODROVA, E.; technicka spoluprace
KNOBLOCHOVA, A.; PASSMANOVA, J.

Blood coagulation changes in change of the vascular calibre. Sborn
lek. 65 no.3:65-71 Mr '63.

1. IV. interni klinika fakulty vseobecneho lekarstvi University Karlovy
v Praze, prednosta prof. dr. M. Fucik.
(BLOOD COAGULATION) (VASCULAR DISEASES)

ROZEN, V.B.; MYAGKAYA, G.L.; FASSOKHINA, I.I.; ORLOVSKAYA, G.V.;
TUSTANOVSKIY, A.A.; UNDRITSOV, M.I. (Moskva)

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in experimental modeled rheumatism. Pat. fiziol. i eksp. terap.
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deystvitel'nyy chlen AMN SSSR prof. A.I. Nesterov) AMN SSSR.

"APPROVED FOR RELEASE: 03/13/2001

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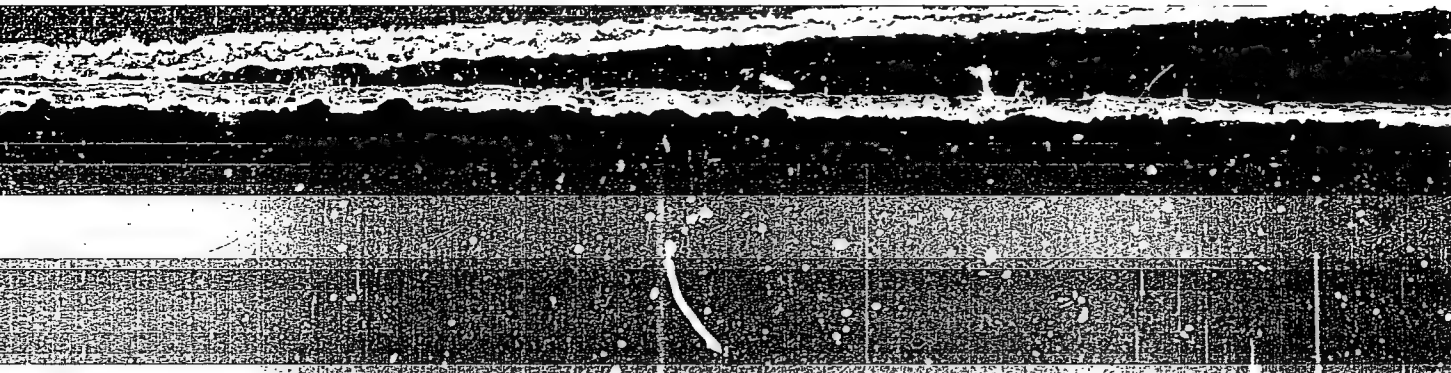
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FAST, Jakub

Malignant facial furuncles caused by a strain of Staphylococcus aureus of varying sensitivity to antibiotics. Polski przegl. chir. 28 no.12:1217-1222 Dec 56.

1. Z III Kliniki Chirurgicznej A.M. we Wrocławiu, Kierownik: doc. dr. Z. Jezioro. Adres: autora: Wrocław, Plac Grunwaldzki 70, m. 6.
(FURUNCULOSIS, ther.

antibiotic sensitivity of Micrococcus pyogenes aureus strain causing facial furuncles (Pol))

(MICROCOCCUS PYOGENES, infect.

aureus strain causing facial furuncles, antibiotic sensitivity (Pol))

(ANTIBIOTICS, ther. use

furuncles, facial, sensitivity of Micrococcus pyogenes aureus strain (Pol))

(FACE, dis.

furuncles, antibiotic sensitivity of causative Micrococcus pyogenes aureus (Pol))

FAST, Jakub; KRZYWY, Tadeusz; STANECKI, Jan

Studies on nasal and pharyngeal carriers of Staphylococci in relation to biochemical properties of the strains and their resistance to antibiotics. Med. dosw. mikrob. 9 no.1:89-99 1957.

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(MICROCOCCAL INFECTIONS, transm.
carriers, relation of antibiotic resist. of strains
to their incidence in nasal & pharyngeal carriers: (241))

STANECKI, Jan; FAST, Jakub; KRZYWY, Tadeusz

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(CHLORTETRACYCLINE, antagonists,
inactivation of bacteriostatic activity by bact. metab.
prod. (Pol))

KRZYWY, Tadeusz; STANIECKI, Jan; FAST, Jakub

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(ANTIBIOTICS, effects,

on *Micrococcus pyogenes*, biochem. changes in resist. strains (Pol))

(MICROCOCCLUS PYOGENES, eff. of drugs on, antibiotics, biochem. changes in resist. strains (Pol))

FAST, Jakub; GREGZNER, Wieslaw

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Z. Jezioro. Wrocław, ul. Piastowska 47 m. 4.

(ATLAS AND AXIS, fractures

axis odontoid process fract. without neurol. signs, ther. (Pol))

Report of a case without any neurological signs. The lesion was diagnosed 6 weeks after injury on X-ray control after removal of the cast, applied previously for fractures of the spinous and transverse processes of the lower cervical vertebrae. The plaster cast was reapplied and kept on for a period of 6 months. By this time sound union had occurred. The range of movement of the head remained unrestricted.

KRZYWY, Tadeusz; JEZIORO, Zdzislaw; FAST, Jakub

Associated effects of detergents and antibiotics on strains of
Staphylococcus aureus isolated in cases of chronic osteomyelitis.
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1. Instytut Immunologii i Terapii Doswiadczałnej PAN we Wrocławiu,
Dyrektor: Prof. dr St. Slopek; Dział Bakteriologii i Antybiotyków,
Kierownik: Prof. dr St. Slopek; III. Klinika Chirurgiczna Akademii
Medycznej we Wrocławiu, Kierownik: Doc. dr Z. Jezioro.

(OSTEOMYELITIS microbiol.)

(STAPHYLOCOCCUS pharmacol.)

(ANTIBIOTICS pharmacol.)

(DETERGENTS pharmacol.)

FAST, Jakub

Treatment of chronic osteomyelitis by the intra-focal administration of antibiotics with trypsin. Polski tygod.lek. 15 no.28:1075-1079 11 J1 '60.

1. Z III Kliniki Chirurgicznej A.M. we Wrocławiu; kierownik: doc dr med. Zdzisław Jeriara
(OSTEOMYELITIS ther)
(ANTIBIOTICS ther)
(TRYPSINS ther)

JEZIORO, Zdzislaw; BIELAWSKI, Janusz; BUGAJSKI, Adam; FAST, Jakub

Cure of acute pulmonary abscess by means of the inhalation of an aerosol containing antibiotics and a detergent. Polski tygod.lek.
15 no.40:1537-1539 3 0 '60.

1. Z III Kliniki Chirurgicznej A.M. we Wroclawiu; kierownik: doc. dr
med. Zdzislaw Jezioro.

(LUNG ABSCESS ther)

(ANTIBIOTICS ther)

(DETRGENTS ther)

IRIAME, Given Names

Country: Poland

Academic Degrees: not given

Presumed Ludwik Hirszfeld Institute of Immunology and Experimental Therapy (Instytut Immunologii i Terapii Doswiadczałnej im. Ludwika Hirszfelda), Polish Academy of Sciences (PAN--Polska

~~Source:~~ Akademia Nauk), Wroclaw; Director: Prof. Stefan SLOPEK, Dr.

Source: Warsaw, Postępy Higieny i Medycyny Doswiadczałnej, Vol XV, No 4,

~~Date:~~ 1961, pp 417-418.

Data: "Combined Action of Detergents and Antibiotics on Staphyococcus Aureus Strains Isolated from Cases of Chronic Osteomyelitis."

English abstract of article, originally published in Arch. Immunol. i Terapii Dosw., 1960, 8. 173.

Authors:

KRZYWY, T.

JEZIORO, Z.

FAST, J.

000 901643

BERNAT, M.; BORON, Z.; FAST, J.

A case of osteoid osteoma. Polski przegl.radiol. 25 no.3:423-425
My-Je '61.

1. Z III Kliniki Chirurgicznej AM we Wrocławiu Kierownik: prof. dr
med. Z. Jezioro z Kliniki Radiologicznej AM we Wrocławiu Kierownik:
doc. dr med. Z. Kuźbrakiewicz.

(TIBIA neopl) (OSTEOMA OSTEOID surg)

BERNAT, M.; BORON, Z.; FAST, J.

A case of chondrosarcoma of the metacarpal bone. Polski przegl. radiol.
25 no.6:549-553 '61.

1. Z Kliniki Radiologicznej AM we Wroclawiu Kierownik: doc. dr med.
Z. Kubrakiewicz Z III Kliniki Chirurgicznej AM we Wroclawiu Kierownik:
prof. dr med. Z. Jezioro.

(METACARPUS neopl) (CHONDROSARCOMA radiog)

JEZIORO, Zdzislaw; FAST, Jakub; BIELAWSKI, Janusz; BUGAJSKI, Adam

Clinical value of bacteriological studies in antibiotic therapy
of surgical diseases. Polski przegl. chir. 33 no.7/3:847-850
'61.

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dr Z.Jezioro.

(ANTIBIOTICS ther)

JEZIORO, Zdzislaw; FAST, Jakub; BIELAWSKI, Janusz; BERNAT, Mieczyslaw

Use of antibiotics in surgery of the digestive system. Polski
przegl. chir. 33 no.7/9:864-866 '61.

1. Z III Kliniki Chirurgicznej AM we Wroclawiu Kierownik: doc.
dr Z. Jezioro.

(ANTIBIOTICS ther)

(GASTROINTESTINAL SYSTEM surg)

FAST, Jakub

Relationship between the resistance to antibiotics and the virulence of *Staphylococcus pyogenes*. Polski przegl. chir. 33 no. 7/9:895-899 '61.

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Z. Jezioro.

(STAPHYLOCOCCUS pharmacol) (ANTIBIOTICS pharmacol)

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1. Z III Kliniki Chirurgicznej AM we Wroclawiu Kierownik: doc.
dr Z. Jesioro.

(STAPHYLOCOCCUS pharmacol) (ESCHERICHIA COLI pharmacol)
(ANTIBIOTICS pharmacol)

JEZIORO, Zdzisław; BERNAT, Mieczysław; BIELAWSKI, Janusz; FAST, Jakub;
KRZYWY, Tadeusz

Clinical significance of antibiotic therapy of surgical diseases. Pol.
tyg. lek. 17 no.36:1415-1418 3 S '62.

1. Z III Kliniki Chirurgicznej AM we Wrocławiu; kierownik: prof. dr med.
Zdzisław Jezioro.

(ANTIBIOTICS)

BERNAT, M.; BORON, Z.; FAST, J.; OSTROWSKI, B.

Radiological picture and therapy of chondromas. Polski przegl. radiol.
26 no.2:101-109 '62.

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(CHONDROMA)

FAST, J., inz.

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AUTHOR: Boyarkina, A. P.; Demin, D. V.; Zetkin, I. T.; Past, V. G.

TITLE: Study of the shock wave of the Tungus meteorite from the associated forest destruction

SOURCE: AN SSSR. Komitet po meteoritam. Meteoritika, no. 24, 1964. Trudy* Desyatoy Meteoritnoy konferentsii v Leningrade 29 maya - 1 iyunya 1962 g., 112-128

TOPIC TAGS: meteorite, Tungus meteorite, shock wave

ABSTRACT: The radial flattening of the forest in the area of the explosion of the Tungus meteorite is the most reliable criterion for study of the propagation of the shock wave accompanying the explosion. The forest flattening has been investigated repeatedly on the ground and from the air and a considerable body of literature has accumulated concerning the phenomena, parts of which are reviewed in this paper. Data from the expeditions of 1960 and 1961 are discussed in the greatest detail; the methods applied to study of the forest flattening are becoming increasingly sophisticated. Emphasis in this article is on statistical analysis of data collected over the 2,000-km² area of forest flattening. New topographic

Card 1/1

ACCESSION NR: AT4035837

surveys and aerial photography have facilitated the investigation. Data are available for 580 points throughout the area; in the latest expedition a grid was laid out and azimuths of fallen trees measured carefully in the sample areas. A general description of the area of flattening is followed by a statistical analysis of the forest destruction. Particular attention is given to the central area and a study of the influence of relief on the degree of destruction. Fig. 1 of the Enclosure shows the flattening of the forest in the area of falling of the meteorite. Orig. art. has: 25 formulas, 11 figures and 1 table.

ASSOCIATION: Komitet po meteoritam, Akademiya nauk SSSR (Committee on Meteorites, Academy of Sciences SSSR)

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2/2

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E032/E314

AUTHORS: Plekhanov, G.P., Vasil'yev, N.V., Demin, D.V.,
Zhuravlev, V.K., Zenkin, G.M., Koval'evskiy, A.F.,
L'vov, Yu.A., Tul'skiy, A.S. (Deceased) and
Fast, V.G.

TITLE: Some results of studies of the problem of the
Tunguska meteorite

PERIODICAL: Geologiya i geofizika, no. 1, 1963, 111 - 123

TEXT: A Composite Independent Expedition (CIE) was organized
in 1959 and a number of scientific workers and engineers from
institutions of Tomsk, Moscow, Novosibirsk and other towns
participated in it. The aim of this expedition was to carry out
a composite study of the region of the fall of the meteorite.
Field work was carried out in 1960 together with a Moscow
expedition directed by V.A. Koshelev. There was an expedition
in the summer of 1961 organized by the Komitet po meteoritam
AN SSSR (Committee for Meteorites of the AS USSR) under the
direction of K.P. Florenskiy. The CIE was a part of the latter
expedition. Parallel field work was carried out during 1959-1961
Card 1/4

S/210/63/000/001/003/003
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Some results of

by the Committee for Meteorites (B.I. Vronskiy - 1959-1960 and A.V. Zolotov - 1959-1961). The present paper reviews briefly the results obtained by the CIE and compares them with those obtained by other workers. A chart is reproduced showing the marsh and woodland distribution and magnetometric profiles in the neighbourhood of the epicentre. It was found that the marshes were apparently natural formations, unaffected by the fall but there were some arboreal features indicating the effect of the fall on trees. A study was made in 1960 of the felling of trees as a result of the fall of the meteorite. Analysis of these data showed that the height at which the meteorite exploded was 10.5 ± 3.5 km. Magnetometric searches revealed the absence of major magnetic losses. Other studies revealed a region with enhanced concentration of Ni, Co and Mo in the soil and Ce, La, Y and Yb in the wood ash. This region was 2-6 km N.W. of the epicentre. A further series of measurements was concerned with the residual radioactivity in the region. Previous conclusions regarding the increase in radioactivity near the epicentre, as compared with greater distances, were not confirmed. It is suggested that the

Card 2/4

8/210/63/000/001/003/003
E032/E314

Some results of

earlier measurements revealed traces of fall-out due to American nuclear tests in 1958. Analysis of these and other published data leads the authors to suggest the following working hypothesis. In the middle of June, 1908, the Earth passed through a cosmic-dust cloud which entered the atmosphere and sedimented between 55 and 65° N. On reaching the lower layers of the atmosphere, dust particles gave rise to anomalous airglow and development of noctil-
luscent clouds at isolated points in Europe between June 22 and 29. The amount of dust was not, however, too great and hence the optical anomalies associated with it were localized and there was no change in the polarization of the day sky. In the morning of June 30, the Earth entered the part of the cloud containing large dust-particle clusters and the penetration of these clusters into the lower layers gave rise to a change in the polarization and the appearance of a solar halo and noctil-
luscent clouds. At the same time, a major meteoritic body entered the atmosphere. The resistance experienced by the body (dense swarm of particles) increased rapidly at the boundary of the troposphere with the result that the body was decelerated and the available magnetic

Card 3/4

Some results of

S/210/63/000/001/003/003
EO32/E314

energy was converted into the energy of the explosion. This hypothesis is not fundamentally different from that put forward by V.G. Fesenkov (cometary hypothesis). It is suggested that the differences may be of terminological origin. This must be investigated further. There are 1 figure and 1 table.

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Card 4/4